

“Commercializing Nano Metal (Ag, Au) and Nano Oxides (ZnO, SiO₂, TiO₂)”

8 December 2009 (Tues, 11am – 1pm)

- Institute of Materials Research and Engineering • Seminar Room 1 •
- A*STAR (Agency for Science, Technology and Research) • 3 Research Link, Singapore 117602 •

PRESENTATION 1: The Hidden Part Of Nano-TiO₂ and Nano-SiO₂

Speaker: Farshid Soheili Najafabadi, is a founder Nano1 industrial group from 2006. He received his PhD degree from National University of Malaysia, in 2005. Dr. Soheili was awarded as rank first technopreneur of the country (Iran) in April 2009 for developing NanoOne industrial group. Previously, he founded MixSig Logic Sdn Bhd, a R&D house in Malaysia, focusing on nanotechnology research in 2002 and the company was awarded Multimedia Super Corridor (MSC) flag in year 2006. He started his work as a microelectronic engineer and later become the CTO of the SunSem Co. from 1998 to 2002. During this time, Dr. Soheili was involved in several projects such as GPS IC, smart card chip and microelectronic process development where he filed two US patents.

Company: Nano1 industrial group is the world leading R&D house in nanotechnology application and development research and tied up with Nanopac Persia, the factory for producing functional nonomaterial and coating for different industries. The core technologies include Synthesis, and Processing of nano sized photo catalytic/functionalized materials for coating and composites;

Control of surface modification; Design of Components and Systems for air/water/soil treatment systems (Air purification, Water purification, soil purification); Coating technology for various substrates (glass, metal, ceramic, woods, paper, fabrics, plastic, ...) with different types of nano material solution to reach variety of functional material; and HVAC filter fabrication for air and water purification systems for hospitals industries, home, and automobiles.

Talk Abstract: Dr. Farshid Soheili will provide an overview of Nano1 industrial group and variety of applied research based on nanoTiO₂ and nano-SiO₂ in which successfully developed and commercialized in industries such as agricultural, health, logistic, and home consumer. Also he will open the road map of their R&D for improving photocatalyst material. In order to reach this goal, Nano1 will concentrate on developing higher efficiency of nano sized materials such as photocatalysts, nano-carbon, nano-silver and eventually manufacture the advanced components and systems for environmental applications and new energy generation.

PRESENTATION 2: Transition Metal Doped Zinc Oxide – A Magic Material

Speaker: Naresh Sarwabhota is an engineering post-graduate from California State University with an ‘Outstanding Scholar Award’. He worked with Nissan Motor Corp., (USA), before joining his family business – Susira Industries Ltd. (Chennai, India) in 2005. He is now the Joint Managing Director of the group. With his strong commitment for excellence in quality and innovation, the company won several national awards. Under his leadership, the group had also expanded into other product portfolios besides establishing itself as the number one manufacturer of its products in the country.

Company: Susira Nanotech, is a division of Susira Industries Ltd. (a 33-year-old public ltd. Engine parts co. in Chennai, India), that does research and production of an extensive array of proprietary conductive, conducting, semi/non-conducting nano-inks for a variety of applications such as consumer electronics, optoelectronics, piezotronics, solar cells, drug delivery, spintronics, pressure/gas sensors, RFID, Displays etc. Susira Nanotech is perhaps the first nanotechnology company in India doing concurrent research in all the above mentioned areas. It has also won 11 national awards for quality, technology, exports, best employer-employee relations and business excellence.

Talk Abstract: Mr. Naresh Sarwabhota will provide an overview of Susira’s cutting edge technologies, which finds extensive use in wide variety of industry verticals such as piezotronics, spintronics and drug delivery systems.

Objective: SingNano provides the network for the Singapore Nanotech community.

Who Should Attend: Corporate Executives, Engineers, Researchers, Policy Makers and Investors

**** ADMISSION IS FREE ****

Please register via email: serenenano@nano-globe.biz